


3 Image Retrieval from the World Wide Web: Issues, Techniques, and Systems

M. L. Kherfi, D. Ziou, A. Bernardi

March 2004 **ACM Computing Surveys (CSUR)**, Volume 36 Issue 1

Publisher: ACM Press

Full text available:  [pdf\(294.13 KB\)](#)

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With the explosive growth of the World Wide Web, the public is gaining access to massive amounts of information. However, locating needed and relevant information remains a difficult task, whether the information is textual or visual. Text search engines have existed for some years now and have achieved a certain degree of success. However, despite the large number of images available on the Web, image search engines are still rare. In this article, we show that in order to allow people to profi ...


Keywords: Image-retrieval, World Wide Web, crawling, feature extraction and selection, indexing, relevance feedback, search, similarity

4 Level set and PDE methods for computer graphics

David Breen, Ron Fedkiw, Ken Museth, Stanley Osher, Guillermo Sapiro, Ross Whitaker

August 2004 **Proceedings of the conference on SIGGRAPH 2004 course notes GRAPH '04**

Publisher: ACM Press

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Level set methods, an important class of partial differential equation (PDE) methods, define dynamic surfaces implicitly as the level set (iso-surface) of a sampled, evolving nD function. The course begins with preparatory material that introduces the concept of using partial differential equations to solve problems in computer graphics, geometric modeling and computer vision. This will include the structure and behavior of several different types of differential equations, e.g. the level set eq ...

5 Computing curricula 2001

September 2001 **Journal on Educational Resources in Computing (JERIC)**

Publisher: ACM Press

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6 Fast detection of communication patterns in distributed executions

Thomas Kunz, Michiel F. H. Seuren

November 1997 **Proceedings of the 1997 conference of the Centre for Advanced Studies on Collaborative research**

Publisher: IBM Press

Full text available:  [pdf\(4.21 MB\)](#)

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Understanding distributed applications is a tedious and difficult task. Visualizations based on process-time diagrams are often used to obtain a better understanding of the execution of the application. The visualization tool we use is


Poet, an event tracer developed at the University of Waterloo. However, these diagrams are often very complex and do not provide the user with the desired overview of the application. In our experience, such tools display repeated occurrences of non-trivial commun ...

7 Session 10: meeting support: Portable meeting recorder

Dar-Shyang Lee, Berna Erol, Jamey Graham, Jonathan J. Hull, Norihiko Murata

December 2002 **Proceedings of the tenth ACM international conference on Multimedia**

Publisher: ACM Press

Full text available:  [pdf\(824.52 KB\)](#)

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The design and implementation of a portable meeting recorder is presented. Composed of an omni-directional video camera with four-channel audio capture, the system saves a view of all the activity in a meeting and the directions from which people spoke. Subsequent analysis computes metadata that includes video activity analysis of the compressed data stream and audio processing that helps locate events that occurred during the meeting. Automatic calculation of the room in which the meeting occur ...


Keywords: MPEG-2 compressed domain analysis, appliance, audio processing, meeting recorder, omni-directional video

8 Shape-based retrieval and analysis of 3D models

Thomas Funkhouser, Michael Kazhdan

August 2004 **Proceedings of the conference on SIGGRAPH 2004 course notes GRAPH '04**

Publisher: ACM Press

Full text available:  [pdf\(12.56 MB\)](#)

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Large repositories of 3D data are rapidly becoming available in several fields, including mechanical CAD, molecular biology, and computer graphics. As the number of 3D models grows, there is an increasing need for computer algorithms to help people find the interesting ones and discover relationships between them. Unfortunately, traditional text-based search techniques are not always effective for 3D models, especially when queries are geometric in nature (e.g., find me objects that fit into thi ...

9 Special issue: AI in engineering

D. Sriram, R. Joobhani

April 1985 **ACM SIGART Bulletin**, Issue 92

Publisher: ACM Press

Full text available:  [pdf\(8.79 MB\)](#)

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The papers in this special issue were compiled from responses to the announcement in the July 1984 issue of the SIGART newsletter and notices posted over the ARPAnet. The interest being shown in this area is reflected in the sixty papers received from over six countries. About half the papers were received over the computer network.

10 GPGPU: general purpose computation on graphics hardware

David Luebke, Mark Harris, Jens Krüger, Tim Purcell, Naga Govindaraju, Ian Buck, Cliff Woolley, Aaron Lefohn
August 2004



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Jian-Gang Wang; Sung, E.; Systems, Man, and Cybernetics, 2000 IEEE International Conference on Volume 4, 8-11 Oct. 2000 Page(s):2775 - 2780 vol.4 Digital Object Identifier 10.1109/ICSMC.2000.884417 AbstractPlus | Full Text: PDF(591 KB) IEEE CNF Rights and Permissions



2. Comparative performance of different skin chrominance models and chrominance spaces for the automatic detection of human faces in color images

Terrillon, J.-C.; Shirazi, M.N.; Fukamachi, H.; Akamatsu, S.; Automatic Face and Gesture Recognition, 2000. Proceedings. Fourth IEEE International Conference on 28-30 March 2000 Page(s):54 - 61 Digital Object Identifier 10.1109/AFGR.2000.840612 AbstractPlus | Full Text: PDF(236 KB) IEEE CNF Rights and Permissions



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Terrillon, J.-C.; McReynolds, D.; Sadek, M.; Sheng, Y.; Akamatsu, S.; Pattern Recognition, 2000. Proceedings. 15th International Conference on Volume 2, 3-7 Sept 2000 Page(s):993 - 1000 vol.2 Digital Object Identifier 10.1109/ICPR.2000.906242 AbstractPlus | Full Text: PDF(680 KB) IEEE CNF Rights and Permissions

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Tsapatsoulis, N.; Kollias, S.;
[Electrotechnical Conference, 2000. MELECON 2000. 10th Mediterranean](#)
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Koh, L.H.; Ranganath, S.; Lee, M.W.; Venkatesh, Y.V.;
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[Circuits and Systems for Video Technology, IEEE Transactions on](#)
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Sengupta, K.; Wang Shiqin; Ko, C.C.; Burman, P.;
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Terrillon, T.J.; Shirazi, M.N.; Sadek, M.; Fukumachi, H.; Akamatsu, S.;
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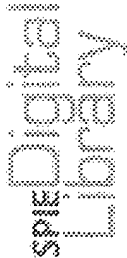
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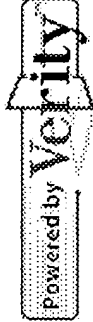
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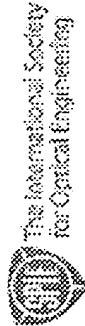
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S10 3	999	(382/103,115-118,162,164,165,173,203,254,260,298,300;348/580;358/451.ccls.) and @pd >="20050701"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/13 09:47
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S10 1	1256	(detect\$3 select\$3 identif\$7 choos\$3 pick\$3 designat\$3 determin\$5) with ((image frame picture photo photograph) with ((contain\$3 includ\$3 present\$3 involv\$3 hav\$3 captur\$3) near3 (known pre\$1determined designated pre\$1assigned specific specified unique indicated) near3 (object pattern face person target)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/10 12:13

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